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(54) AUTOMATIC SPEED CONTROLLER

(57) Abstract:

PURPOSE: To prolong an allowable remaining travel distance by modifying a preset car speed in a memory means to a lower value by a certain ratio when a value detected by a remaining-fuel detective means gets below a certain value, so as to make a car speed control of efficient fuel consumption.

CONSTITUTION: When a speed setting switch 1 is operated with a car speed over 80km/h, for example, the car speed V_s is stored in a memory 3 to drive a throttle valve actuator 5 via an arithmetic circuit 14. Under the condition, as such, if a quantity L_n of a remaining fuel detected by a remaining-fuel sensor 10 is reduced below a reference remaining-quantity L_r stored in a setting circuit 11, a comparator 12 feeds a modification command to the arithmetic circuit 14 via an AND gate 13. The arithmetic circuit 14 computes a set speed by an expression ($V_s' = \alpha \cdot V_s$) so as to modify to a lower

set value V's for improving fuel consumption, that is, to turn a speed to an economical speed for prolonging a travel distance.

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